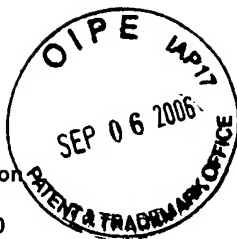


HEWLETT-PACKARD COMPANY
Intellectual Property Administration
P.O. Box 272400
Fort Collins, Colorado 80527-2400



PATENT APPLICATION

ATTORNEY DOCKET NO. 200308565-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Pomaranski et al.

Confirmation No.: 4003

Application No.: 10/663,128

Examiner: Daniel Y. Kim

Filing Date: September 16, 2003

Group Art Unit: 2185

Title: MEMORY QUALITY ASSURANCE

Mail Stop Amendment
Commissioner For Patents
PO Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

This Information Disclosure Statement is submitted:

- ☐ under 37 CFR 1.97 (b), or
(Within three months of filing national application; or date of entry of national application; or before mailing date of first action on the merits; whichever occurs last)
- ☒ under 37 CFR 1.97 (c), together with either a:
☐ Statement under 37 CFR 1.97 (e), or
☒ a \$180 fee under 37 CFR 1.17 (p), or
(After the CFR 1.97 (b) time period, but before final action or notice of allowance, whichever occurs first)
- ☐ under 37 CFR 1.97 (d), together with either a:
☐ Statement under 37 CFR 1.97 (e)(1) or (2), and
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Please charge to Deposit Account **08-2025** the sum of \$ 180.00 . At any time during the pendency of this application, please charge any fees required or credit any over payment to Deposit Account **08-2025** pursuant to 37 CFR 1.25.

Applicant(s) submit herewith form PTO 1449 - Information Disclosure Statement together with any required copies of patents, publications or other information of which applicant(s) are aware, which applicant(s) believe(s) may be material to the examination of this application and for which there may be a duty to disclose in accordance with 37 CFR 1.56.

- ☐ A concise explanation of the relevance of foreign language patents, foreign language publications and other foreign language information listed on PTO Form 1449, as presently understood by the individual(s) designated in 37 CFR 1.56 (c) most knowledgeable about the content is given on the attached sheet, or where a foreign language patent is cited in a search report or other action by a foreign patent office in a counterpart foreign application, an english language version of the search report or action which indicates the degree of relevance found by the foreign office is listed on form PTO 1449 and is enclosed.

It is requested that the information disclosed herein be made of record in this application.

- ☒ I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to:
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Respectfully submitted,

Pomaranski et al. 08/07/2006 CMEGA1 80000020 002025 10663128

By

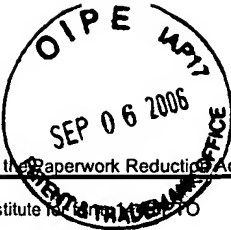
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STATEMENT BY APPLICANT**

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Application Number	10/663,128
Filing Date	September 16, 2003
First Named Inventor	Pomaranski et al.
Art Unit	2185
Examiner Name	Daniel Y. Kim
Attorney Docket Number	200308565-1

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of

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 5,396,619	03-07-1995	Walton	
		US- 5,937,367	08-10-1999	Eckardt	
		US- 2003/0065470	04-03-2003	Maxham	
		US- 2003/0125908	07-03-2003	Wynn et al.	
		US- 2004/0068679	04-08-2004	Velloilil et al.	
		US- 6,182,162	01-30-2001	Estakhri et al.	
		US- 6,353,870	03-05-2002	Mills et al.	
		US- 6,438,638	08-20-2002	Jones et al.	
		US- 6,931,582	08-16-2005	Tamura et al.	
		US- 5,410,545	04-25-1995	Porter et al.	
		US- 2001/0025359	09-27-2001	Tanaka, Tsuyoshi	
		US- 5,495,491	02-27-1996	Snowden et al.	
		US- 5,381,544	01-10-1995	Okazawa et al.	
		US- 5,463,767	10-31-1995	Joichi et al.	
		US- 5,835,704	11-10-1998	Li et al.	
		US- 6,058,047	05-02-2000	Kikuchi, Shuichi	
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)				
		JP 2000-222236	08-11-2000	Robert Bosch		

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Examiner Name	Daniel Y. Kim
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Sheet 2

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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		A copy of GB Search Report for Application No. GB0418973.4 mailed on December 13, 2004 (3 pages).	
		David A. Patterson and John L. Hennessy, Computer Architecture A Quantitative Approach, 1996, Morgan Kaufmann Publishers, Inc., Second Edition, Pages 375-381.	
		Copy of First Office Action in Appl. No. 10/652,536 dated January 23, 2006	
		Copy of Response to First Office Action in Appl. No. 10/652,536 filed May 23, 2006	
		Copy of Final Office Action in Appl. No. 10/652,536 dated June 27, 2006	
		IDS in Appl. No. 10/652,536 filed February 14, 2005.	

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